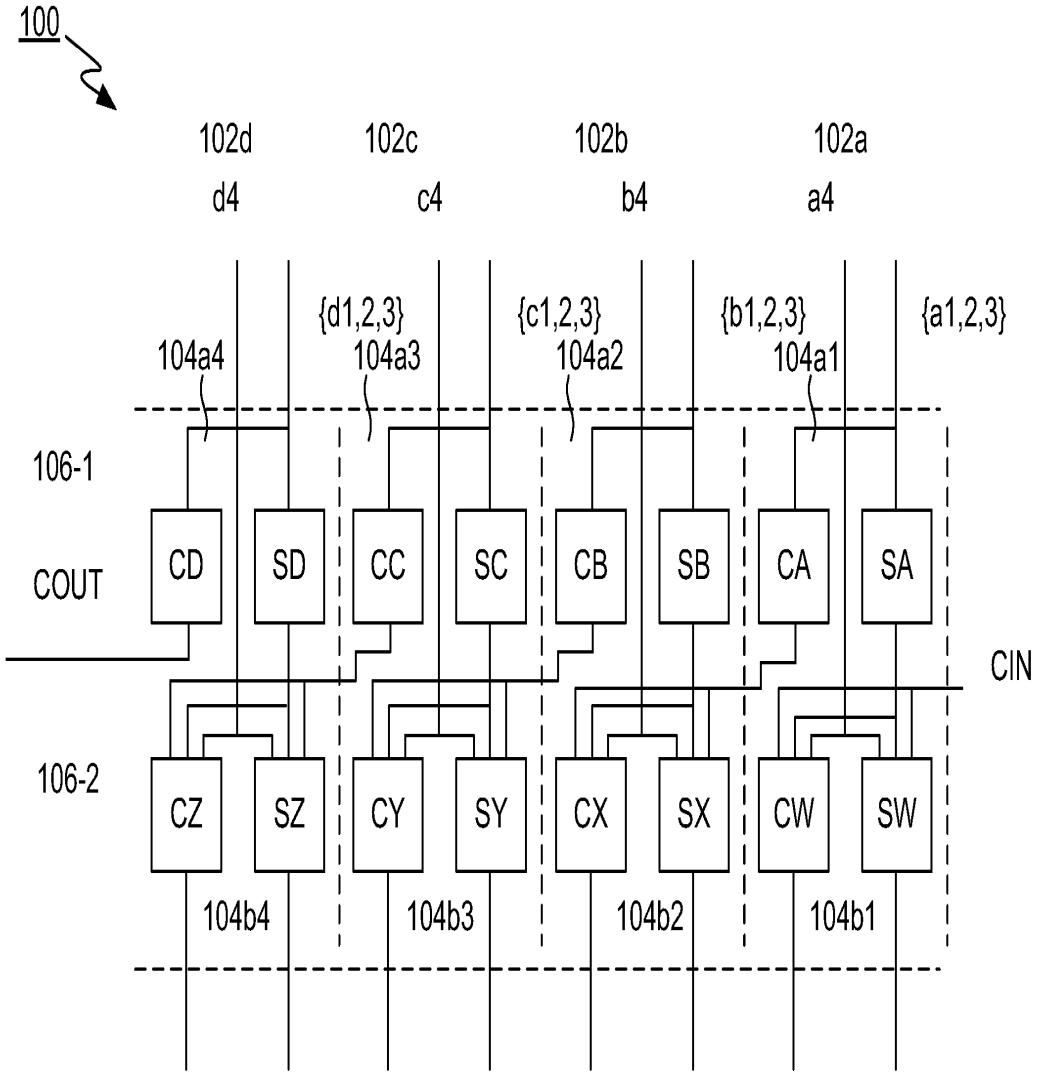
100
102d
102c
102b
102a
d4
c4
b4
a4
{d1,2,3}
{c1,2,3}
{b1,2,3}
{a1,2,3}
104a4
104a3
104a2
104a1
106-1
COUT
CD
SD
CC
SC
CB
SB
CA
SA
CIN
106-2
CZ
SZ
CY
SY
CX
SX
CW
SW
104b4
104b3
104b2
104b1

FIG. 1

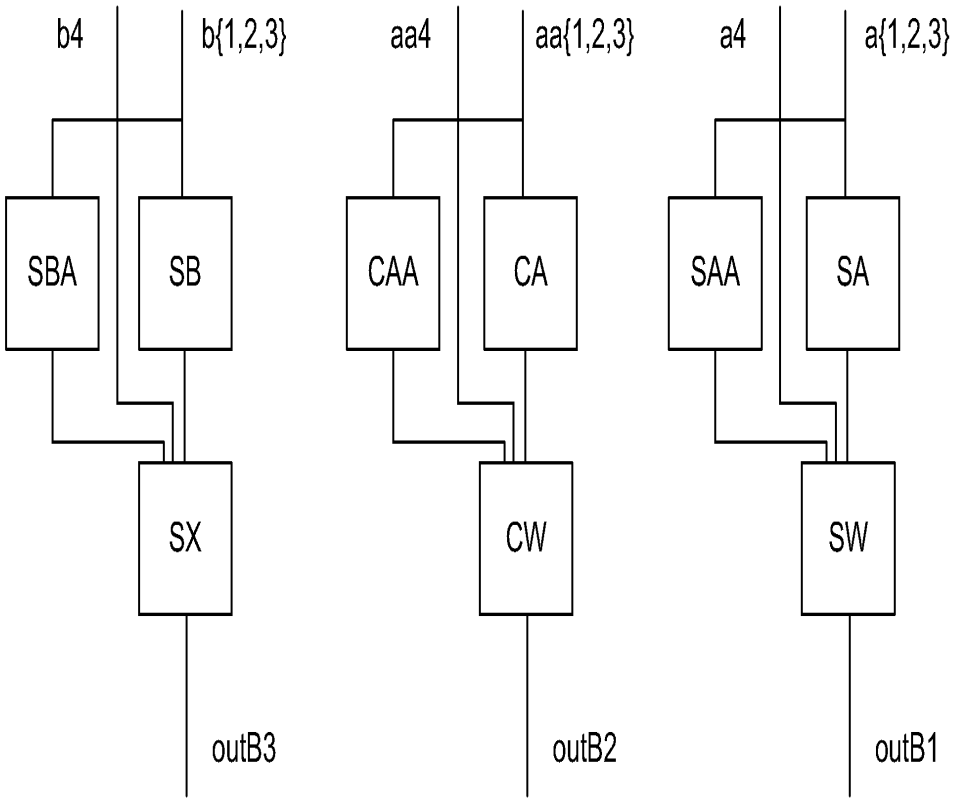
General Purpose Mode
b4
b{1,2,3}
aa4
aa{1,2,3}
a4
a{1,2,3}
SBA
SB
CAA
CA
SAA
SA
SX
CW
SW
outB3
outB2
outB1

FIG. 2

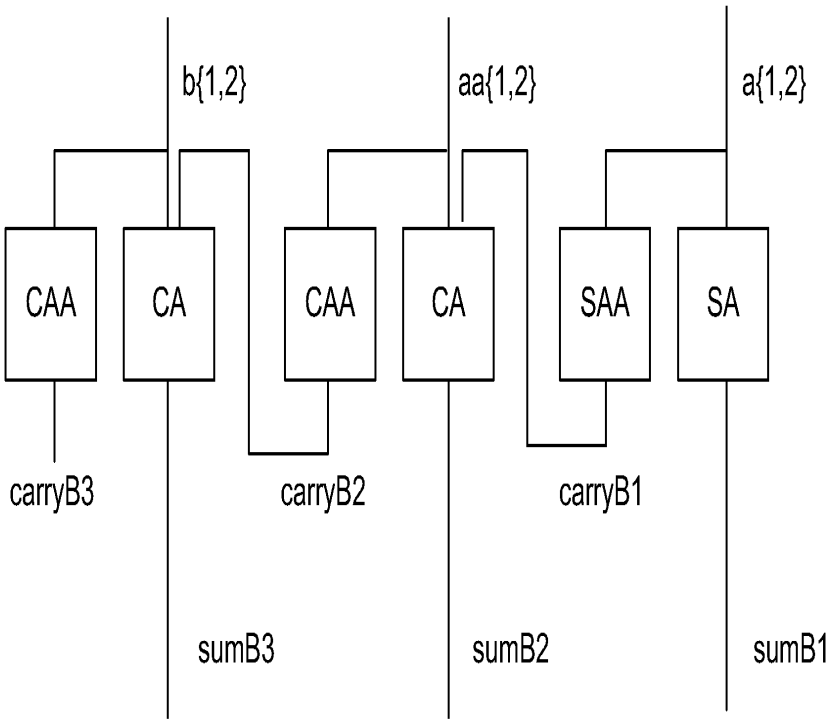
Ripple Carry Adder Mode
b{1,2}
aa{1,2}
a{1,2}
CAA
CA
CAA
CA
SAA
SA
carryB3
carryB2
carryB1
sumB3
sumB2
sumB1

FIG. 3